

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	Michael Heuken, et al.
Serial No Pending	Filed: June 1, 2001
Title of Application:	Method And System For Semiconductor Crystal Production With Temperature Management

Assistant Commissioner for Patents Washington, DC 20231

Cover Sheet For Eleven Sheets Of Drawings

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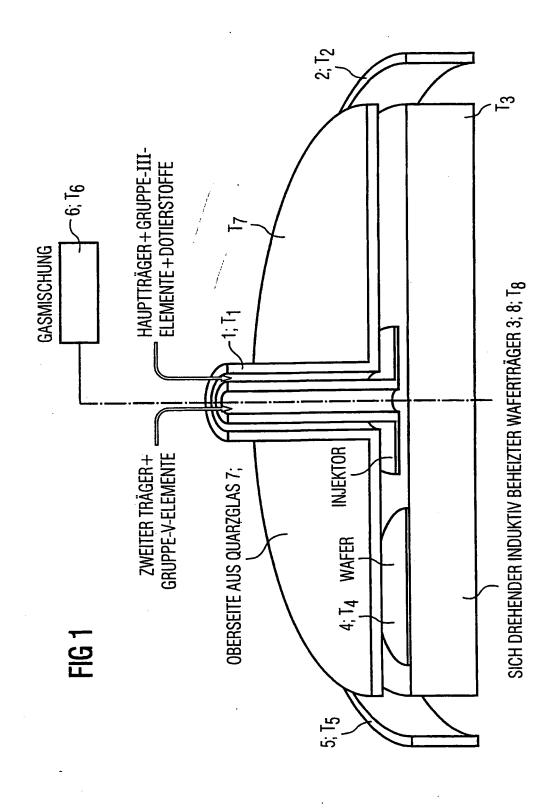
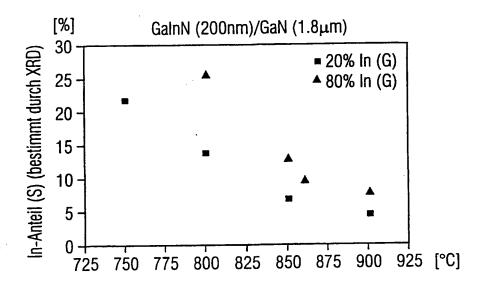
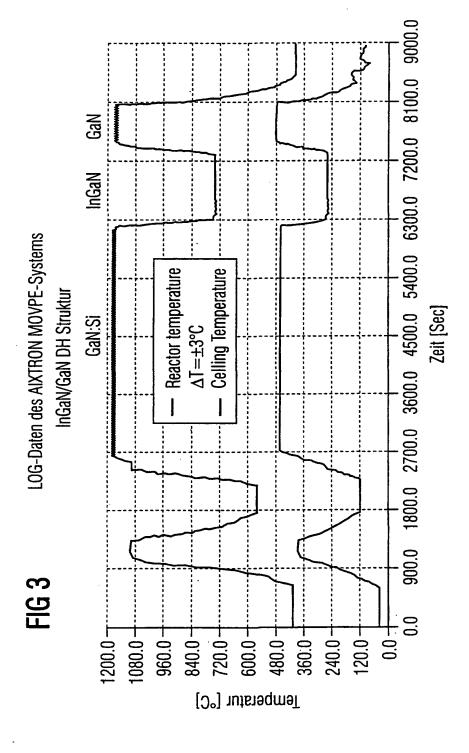
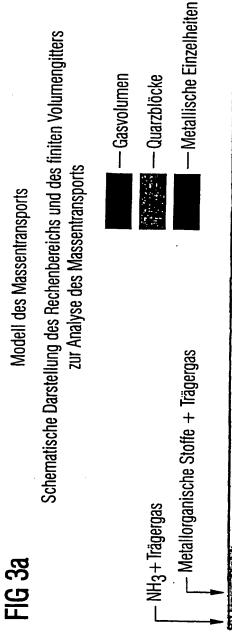


FIG 2
In-Anteil in Abhängigkeit von der Herstellungstemperatur







Decke Wassergekühlter Deckel Einspritzkonus

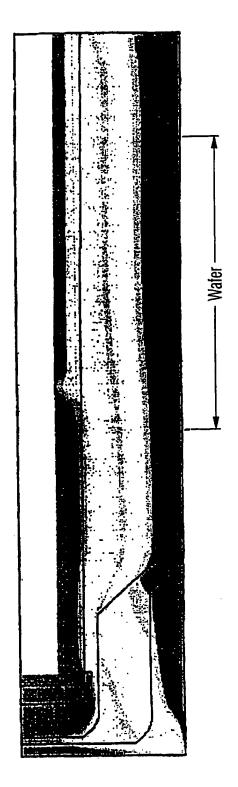
Temperaturverteilung

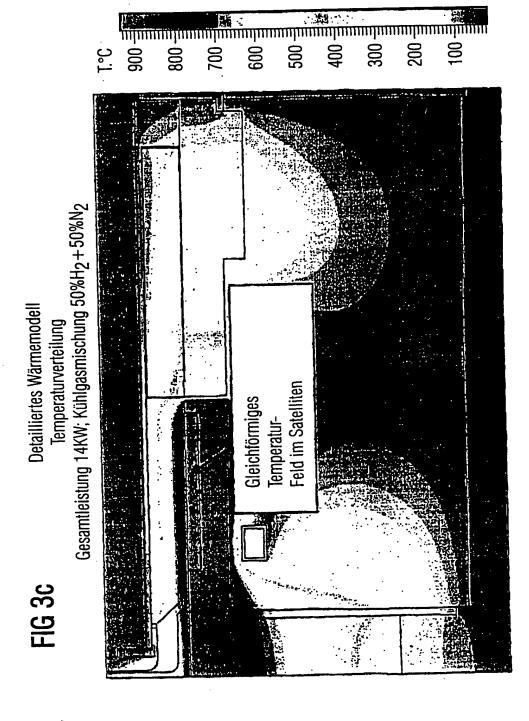
FIG 3b

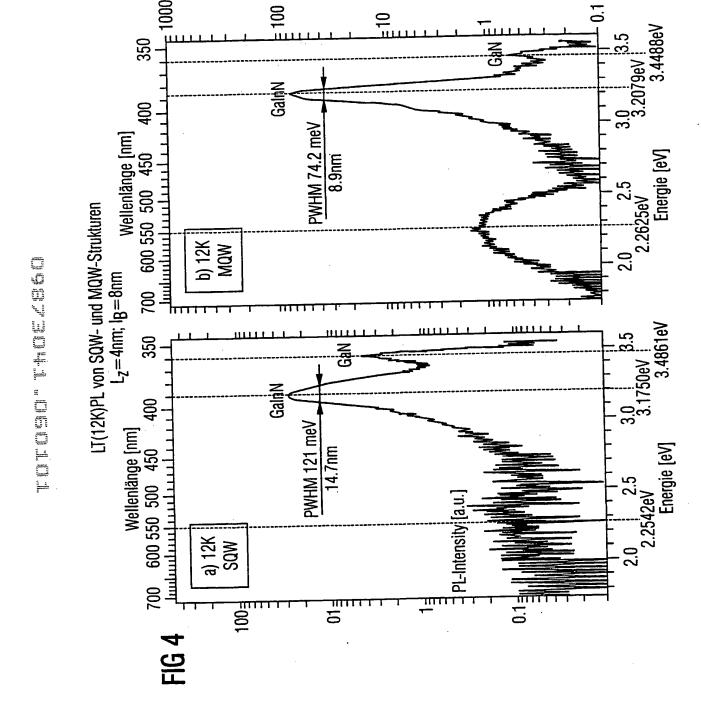
Das Modell erklärt: – Mischung und Reaktion von Vorläuferströmen,

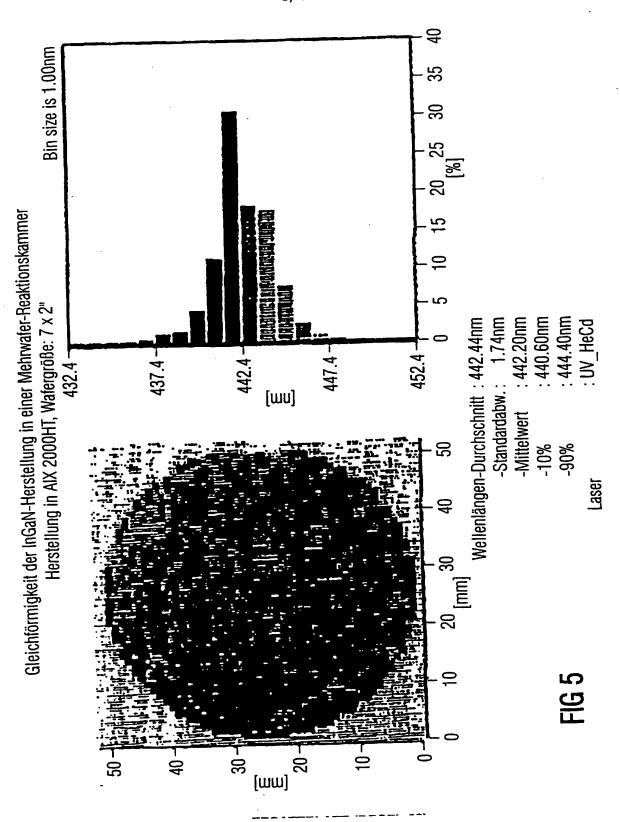
- Grau diffuse Stralung

- Konjugierte Wärmeübertragung



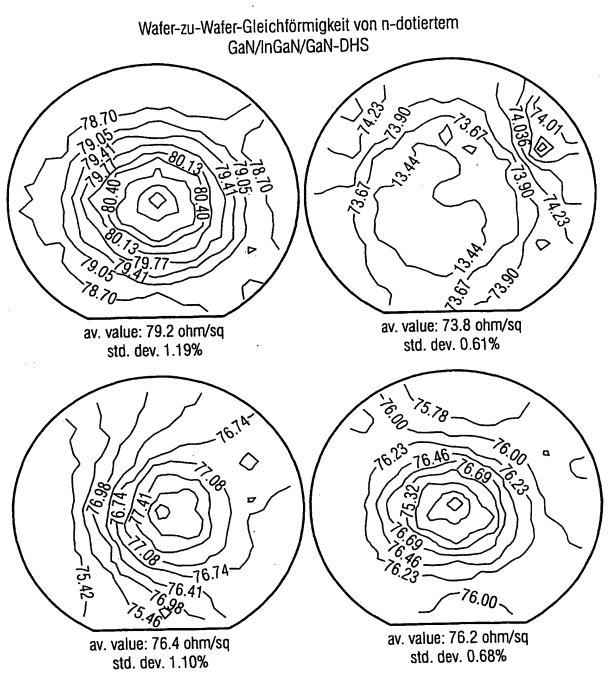






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FIG 6



Wafer-zu-Wafer-Standardabweichung: 2,7%

